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Sequence Listing was accepted.
If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).
Reviewer: Anne Corrigan
Timestamp: Fri Aug 03 18:17:33 EDT 2007
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                    Validated By CRFValidator v 1.0.2

Application No:          10597914          Version No:           1.0


                    Input Set:


                    Output Set:



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            Finished:    2007-08-03 17:21:55.691
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          Output Set:



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           Finished:   2007-08-03 17:21:55.691
            Elapsed:   0 hr(s) 0 min(s) 2 sec(s) 154 ms
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Error code   Error Description

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        HODGES, Robert S
        TRIPET, Brian

<120>   COMPOSITIONS AND METHODS FOR MODIFICATION AND PREVENTION OF SARS
        CORONAVIRUS INFECTIVITY

<130>   6-04 WO

<140>   10597914
<141>   2007-08-03

<150>     PCT (not assigned)
<151>     2005-02-14

<150>   US 60/544,410
<151>   2004-02-12

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1               5                   10                  15

gac cgg tgc acc act ttt gat gat gtt caa gct cct aat tac act caa      96
Asp Arg Cys Thr Thr Phe Asp Asp Val Gln Ala Pro Asn Tyr Thr Gln
            20                  25                  30

cat act tca tct atg agg ggg gtt tac tat cct gat gaa att ttt aga     144
His Thr Ser Ser Met Arg Gly Val Tyr Tyr Pro Asp Glu Ile Phe Arg
        35                  40                  45

tca gac act ctt tat tta act cag gat tta ttt ctt cca ttt tat tct     192
Ser Asp Thr Leu Tyr Leu Thr Gln Asp Leu Phe Leu Pro Phe Tyr Ser
    50                  55                  60

aat gtt aca ggg ttt cat act att aat cat acg ttt ggc aac cct gtc     240
Asn Val Thr Gly Phe His Thr Ile Asn His Thr Phe Gly Asn Pro Val
65                  70                  75                  80

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Ile Pro Phe Lys Asp Gly Ile Tyr Phe Ala Ala Thr Glu Lys Ser Asn
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Val Val Arg Gly Trp Val Phe Gly Ser Thr Met Asn Asn Lys Ser Gln
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tcg gtg att att att aac aat tct act aat gtt gtt ata cga gca tgt          384
Ser Val Ile Ile Ile Asn Asn Ser Thr Asn Val Val Ile Arg Ala Cys
            115                     120                     125

aac ttt gaa ttg tgt gac aac cct ttc ttt gct gtt tct aaa ccc atg          432
Asn Phe Glu Leu Cys Asp Asn Pro Phe Phe Ala Val Ser Lys Pro Met
    130                     135                     140

ggt aca cag aca cat act atg ata ttc gat aat gca ttt aat tgc act          480
Gly Thr Gln Thr His Thr Met Ile Phe Asp Asn Ala Phe Asn Cys Thr
145                     150                     155                     160

ttc gag tac ata tct gat gcc ttt tcg ctt gat gtt tca gaa aag tca          528
Phe Glu Tyr Ile Ser Asp Ala Phe Ser Leu Asp Val Ser Glu Lys Ser
                165                     170                     175

ggt aat ttt aaa cac tta cga gag ttt gtg ttt aaa aat aaa gat ggg          576
Gly Asn Phe Lys His Leu Arg Glu Phe Val Phe Lys Asn Lys Asp Gly
            180                     185                     190

ttt ctc tat gtt tat aag ggc tat caa cct ata gat gta gtt cgt gat          624
Phe Leu Tyr Val Tyr Lys Gly Tyr Gln Pro Ile Asp Val Val Arg Asp
            195                     200                     205

cta cct tct ggt ttt aac act ttg aaa cct att ttt aag ttg cct ctt          672
Leu Pro Ser Gly Phe Asn Thr Leu Lys Pro Ile Phe Lys Leu Pro Leu
    210                     215                     220

ggt att aac att aca aat ttt aga gcc att ctt aca gcc ttt tca cct          720
Gly Ile Asn Ile Thr Asn Phe Arg Ala Ile Leu Thr Ala Phe Ser Pro
225                     230                     235                     240

gct caa gac att tgg ggc acg tca gct gca gcc tat ttt gtt ggc tat          768
Ala Gln Asp Ile Trp Gly Thr Ser Ala Ala Ala Tyr Phe Val Gly Tyr
                245                     250                     255

tta aag cca act aca ttt atg ctc aag tat gat gaa aat ggt aca atc          816
Leu Lys Pro Thr Thr Phe Met Leu Lys Tyr Asp Glu Asn Gly Thr Ile
                260                     265                     270

aca gat gct gtt gat tgt tct caa aat cca ctt gct gaa ctc aaa tgc          864
Thr Asp Ala Val Asp Cys Ser Gln Asn Pro Leu Ala Glu Leu Lys Cys
            275                     280                     285

tct gtt aag agc ttt gag att gac aaa gga att tac cag acc tct aat          912
Ser Val Lys Ser Phe Glu Ile Asp Lys Gly Ile Tyr Gln Thr Ser Asn
            290                     295                     300

ttc agg gtt gtt ccc tca gga gat gtt gtg aga ttc cct aat att aca          960
Phe Arg Val Val Pro Ser Gly Asp Val Val Arg Phe Pro Asn Ile Thr
305                     310                     315                     320
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aac ttg tgt cct ttt gga gag gtt ttt aat gct act aaa ttc cct tct          1008
Asn Leu Cys Pro Phe Gly Glu Val Phe Asn Ala Thr Lys Phe Pro Ser
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gtc tat gca tgg gag aga aaa aaa att tct aat tgt gtt gct gat tac          1056
Val Tyr Ala Trp Glu Arg Lys Lys Ile Ser Asn Cys Val Ala Asp Tyr
                340                 345                 350

tct gtg ctc tac aac tca aca ttt ttt tca acc ttt aag tgc tat ggc          1104
Ser Val Leu Tyr Asn Ser Thr Phe Phe Ser Thr Phe Lys Cys Tyr Gly
                355                 360                 365

gtt tct gcc act aag ttg aat gat ctt tgc ttc tcc aat gtc tat gca          1152
Val Ser Ala Thr Lys Leu Asn Asp Leu Cys Phe Ser Asn Val Tyr Ala
                370                 375                 380

gat tct ttt gta gtc aag gga gat gat gta aga caa ata gcg cca gga          1200
Asp Ser Phe Val Val Lys Gly Asp Asp Val Arg Gln Ile Ala Pro Gly
385                 390                 395                 400

caa act ggt gtt att gct gat tat aat tat aaa ttg cca gat gat ttc          1248
Gln Thr Gly Val Ile Ala Asp Tyr Asn Tyr Lys Leu Pro Asp Asp Phe
                    405                 410                 415

atg ggt tgt gtc ctt gct tgg aat act agg aac att gat gct act tca          1296
Met Gly Cys Val Leu Ala Trp Asn Thr Arg Asn Ile Asp Ala Thr Ser
                420                 425                 430

act ggt aat tat aat tat aaa tat agg tat ctt aga cat ggc aag ctt          1344
Thr Gly Asn Tyr Asn Tyr Lys Tyr Arg Tyr Leu Arg His Gly Lys Leu
                435                 440                 445

agg ccc ttt gag aga gac ata tct aat gtg cct ttc tcc cct gat ggc          1392
Arg Pro Phe Glu Arg Asp Ile Ser Asn Val Pro Phe Ser Pro Asp Gly
        450                 455                 460

aaa cct tgc acc cca cct gct ctt aat tgt tat tgg cca tta aat gat          1440
Lys Pro Cys Thr Pro Pro Ala Leu Asn Cys Tyr Trp Pro Leu Asn Asp
465                 470                 475                 480

tat ggt ttt tac acc act act ggc att ggc tac caa cct tac aga gtt          1488
Tyr Gly Phe Tyr Thr Thr Thr Gly Ile Gly Tyr Gln Pro Tyr Arg Val
                    485                 490                 495

gta gta ctt tct ttt gaa ctt tta aat gca ccg gcc acg gtt tgt gga          1536
Val Val Leu Ser Phe Glu Leu Leu Asn Ala Pro Ala Thr Val Cys Gly
                500                 505                 510

cca aaa tta tcc act gac ctt att aag aac cag tgt gtc aat ttt aat          1584
Pro Lys Leu Ser Thr Asp Leu Ile Lys Asn Gln Cys Val Asn Phe Asn
                515                 520                 525

ttt aat gga ctc act ggt act ggt gtg tta act cct tct tca aag aga          1632
Phe Asn Gly Leu Thr Gly Thr Gly Val Leu Thr Pro Ser Ser Lys Arg
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545             550             555             560

tcc gtt cga gat cct aaa aca tct gaa ata tta gac att tca cct tgc        1728
Ser Val Arg Asp Pro Lys Thr Ser Glu Ile Leu Asp Ile Ser Pro Cys
                565             570             575

tct ttt ggg ggt gta agt gta att aca cct gga aca aat gct tca tct        1776
Ser Phe Gly Gly Val Ser Val Ile Thr Pro Gly Thr Asn Ala Ser Ser
            580             585             590

gaa gtt gct gtt cta tat caa gat gtt aac tgc act gat gtt tct aca        1824
Glu Val Ala Val Leu Tyr Gln Asp Val Asn Cys Thr Asp Val Ser Thr
            595             600             605

gca att cat gca gat caa ctc aca cca gct tgg cgc ata tat tct act        1872
Ala Ile His Ala Asp Gln Leu Thr Pro Ala Trp Arg Ile Tyr Ser Thr
    610             615             620

gga aac aat gta ttc cag act caa gca ggc tgt ctt ata gga gct gag        1920
Gly Asn Asn Val Phe Gln Thr Gln Ala Gly Cys Leu Ile Gly Ala Glu
625             630             635             640

cat gtc gac act tct tat gag tgc gac att cct att gga gct ggc att        1968
His Val Asp Thr Ser Tyr Glu Cys Asp Ile Pro Ile Gly Ala Gly Ile
            645             650             655

tgt gct agt tac cat aca gtt tct tta tta cgt agt act agc caa aaa        2016
Cys Ala Ser Tyr His Thr Val Ser Leu Leu Arg Ser Thr Ser Gln Lys
            660             665             670

tct att gtg gct tat act atg tct tta ggt gct gat agt tca att gct        2064
Ser Ile Val Ala Tyr Thr Met Ser Leu Gly Ala Asp Ser Ser Ile Ala
    675             680             685

tac tct aat aac acc att gct ata cct act aac ttt tca att agc att        2112
Tyr Ser Asn Asn Thr Ile Ala Ile Pro Thr Asn Phe Ser Ile Ser Ile
    690             695             700

act aca gaa gta atg cct gtt tct atg gct aaa acc tcc gta gat tgt        2160
Thr Thr Glu Val Met Pro Val Ser Met Ala Lys Thr Ser Val Asp Cys
705             710             715             720

aat atg tac atc tgc gga gat tct act gaa tgt gct aat ttg ctt ctc        2208
Asn Met Tyr Ile Cys Gly Asp Ser Thr Glu Cys Ala Asn Leu Leu Leu
                725             730             735

caa tat ggt agc ttt tgc aca caa cta aat cgt gca ctc tca ggt att        2256
Gln Tyr Gly Ser Phe Cys Thr Gln Leu Asn Arg Ala Leu Ser Gly Ile
            740             745             750

gct gct gaa cag gat cgc aac aca cgt gaa gtg ttc gct caa gtc aaa        2304
Ala Ala Glu Gln Asp Arg Asn Thr Arg Glu Val Phe Ala Gln Val Lys
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caa atg tac aaa acc cca act ttg aaa tat ttt ggt ggt ttt aat ttt        2352
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Ser Gln Ile Leu Pro Asp Pro Leu Lys Pro Thr Lys Arg Ser Phe Ile
785             790             795             800

gag gac ttg ctc ttt aat aag gtg aca ctc gct gat gct ggc ttc atg          2448
Glu Asp Leu Leu Phe Asn Lys Val Thr Leu Ala Asp Ala Gly Phe Met
                805             810             815

aag caa tat ggc gaa tgc cta ggt gat att aat gct aga gat ctc att          2496
Lys Gln Tyr Gly Glu Cys Leu Gly Asp Ile Asn Ala Arg Asp Leu Ile
                820             825             830

tgt gcg cag aag ttc aat gga ctt aca gtg ttg cca cct ctg ctc act          2544
Cys Ala Gln Lys Phe Asn Gly Leu Thr Val Leu Pro Pro Leu Leu Thr
                835             840             845

gat gat atg att gct gcc tac act gct gct cta gtt agt ggt act gcc          2592
Asp Asp Met Ile Ala Ala Tyr Thr Ala Ala Leu Val Ser Gly Thr Ala
                850             855             860

act gct gga tgg aca ttt ggt gct ggc gct gct ctt caa ata cct ttt          2640
Thr Ala Gly Trp Thr Phe Gly Ala Gly Ala Ala Leu Gln Ile Pro Phe
865             870             875             880

gct atg caa atg gca tat agg ttc aat ggc att gga gtt acc caa aat          2688
Ala Met Gln Met Ala Tyr Arg Phe Asn Gly Ile Gly Val Thr Gln Asn
                885             890             895

gtt ctc tat gag aac caa aaa caa atc gcc aac caa ttt aac aag gcg          2736
Val Leu Tyr Glu Asn Gln Lys Gln Ile Ala Asn Gln Phe Asn Lys Ala
                900             905             910

att agt caa att caa gaa tca ctt aca aca aca tca act gca ttg ggc          2784
Ile Ser Gln Ile Gln Glu Ser Leu Thr Thr Thr Ser Thr Ala Leu Gly
                915             920             925

aag ctg caa gac gtt gtt aac cag aat gct caa gca tta aac aca ctt          2832
Lys Leu Gln Asp Val Val Asn Gln Asn Ala Gln Ala Leu Asn Thr Leu
                930             935             940

gtt aaa caa ctt agc tct aat ttt ggt gca att tca agt gtg cta aat          2880
Val Lys Gln Leu Ser Ser Asn Phe Gly Ala Ile Ser Ser Val Leu Asn
945             950             955             960

gat atc ctt tcg cga ctt gat aaa gtc gag gcg gag gta caa att gac          2928
Asp Ile Leu Ser Arg Leu Asp Lys Val Glu Ala Glu Val Gln Ile Asp
                965             970             975

agg tta att aca ggc aga ctt caa agc ctt caa acc tat gta aca caa          2976
Arg Leu Ile Thr Gly Arg Leu Gln Ser Leu Gln Thr Tyr Val Thr Gln
                980             985             990

caa cta atc agg gct gct gaa atc  agg gct tct gct aat  ctt gct gct         3024
Gln Leu Ile Arg Ala Ala Glu Ile  Arg Ala Ser Ala Asn  Leu Ala Ala
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ttt tgt  gga aag ggc tac cac  ctt atg tcc ttc cca  caa gca gcc      3114
Phe Cys  Gly Lys Gly Tyr His  Leu Met Ser Phe Pro  Gln Ala Ala
    1025                 1030                 1035

ccg cat  ggt gtt gtc ttc cta  cat gtc acg tat gtg  cca tcc cag      3159
Pro His  Gly Val Val Phe Leu  His Val Thr Tyr Val  Pro Ser Gln
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gag agg  aac ttc acc aca gcg  cca gca att tgt cat  gaa ggc aaa      3204
Glu Arg  Asn Phe Thr Thr Ala  Pro Ala Ile Cys His  Glu Gly Lys
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gca tac  ttc cct cgt gaa ggt  gtt ttt gtg ttt aat  ggc act tct      3249
Ala Tyr  Phe Pro Arg Glu Gly  Val Phe Val Phe Asn  Gly Thr Ser
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tgg ttt  att aca cag agg aac  ttc ttt tct cca caa  ata att act      3294
Trp Phe  Ile Thr Gln Arg Asn  Phe Phe Ser Pro Gln  Ile Ile Thr
    1085                 1090                 1095

aca gac  aat aca ttt gtc tca  gga aat tgt gat gtc  gtt att ggc      3339
Thr Asp  Asn Thr Phe Val Ser  Gly Asn Cys Asp Val  Val Ile Gly
    1100                 1105                 1110

atc att  aac aac aca gtt tat  gat cct ctg caa cct  gag ctc gac      3384
Ile Ile  Asn Asn Thr Val Tyr  Asp Pro Leu Gln Pro  Glu Leu Asp
    1115                 1120                 1125

tca ttc  aaa gaa gag ctg gac  aag tac ttc aaa aat  cat aca tca      3429
Ser Phe  Lys Glu Glu Leu Asp  Lys Tyr Phe Lys Asn  His Thr Ser
    1130                 1135                 1140

cca gat  gtt gat ctt ggc gac  att tca ggc att aac  gct tct gtc      3474
Pro Asp  Val Asp Leu Gly Asp  Ile Ser Gly Ile Asn  Ala Ser Val
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gag caa  tat att aaa tgg cct  tgg tat gtt tgg ctc  ggc ttc att      3609
Glu Gln  Tyr Ile Lys Trp Pro  Trp Tyr Val Trp Leu  Gly Phe Ile
    1190                 1195                 1200

gct gga  cta att gcc atc gtc  atg gtt aca atc ttg  ctt tgt tgc      3654
Ala Gly  Leu Ile Ala Ile Val  Met Val Thr Ile Leu  Leu Cys Cys
    1205                 1210                 1215
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